

Code → 4. if keyword hai toh, keyword show karoge.
 Agar keyword nahi hai toh, input ko string show karoge.

```
%c
#include <stdio.h>

%.}

%.%
"if" { printf ("keyword\n"); }
[a-zA-Z-] [a-zA-Z0-9]* { printf ("string: %s\n", &text); }

%. %.

int main ()
{
    yylex();
    return 0;
}
```

Code-75 Integer Number, float Number, Exponent Number

```
%{
```

```
#include <stdio.h>
```

```
%}
```

```
%.%
```

```
[+-]?[1-9][0-9]* { printf ("Integer Number\n"); }
```

```
[+-]?[0-9]* "." [0-9]+ { printf ("Floating Number\n"); }
```

```
[+-]?[1-9] ("." [0-9]+)? "E" [+-]?[1-9][0-9]*  
{ printf ("Exponent Number\n"); }
```

```
%.%
```

```
int main ()
```

```
{
```

```
    lex();
```

```
    return 0;
```

```
}
```


Code → 6 Valid Email address check

```
%s #include <stdio.h>
```

```
%s
```

```
%s %s
```

```
[a-zA-Z][a-zA-Z0-9_]*@[a-zA-Z0-9]+(\.[a-zA-Z]+)+
{ printf("Valid Email\n"); }
```

```
[a-zA-Z][a-zA-Z0-9_]*@[a-zA-Z0-9]+(\.[a-zA-Z]+)+
{ printf("Not Valid\n"); }
```

```
%s %s
```

```
int main()
```

```
{
```

```
    scanf("%s %s", str1, str2);
```

```
    return 0;
```

```
}
```

Code → 7. Keyword & Variable name detect ~~array~~ regular expression.

```
%.
```

```
#include <stdio.h>
```

```
%.
```

```
%. %
```

```
"Program" | "if" | "not" | "end" | "begin" | "else" | "then" | "do" | "while" |  
"function" | "procedure" | "integer" | "real" | "var" | "oh" | "array" | "while"  
| "for" { printf ("Keyword Found\n"); }
```

```
[a-zA-Z_][a-zA-Z0-9_]* { printf ("Variable\n"); }
```

```
%. %
```

```
int main ()
```

```
{
```

```
    lex();
```

```
    return 0;
```

```
}
```


Code → 8 Relational Operators delete delete
Regular Expression.

```
%{
```

```
#include <stdio.h>
```

```
%}
```

```
%.%
```

```
"=" | "<" | ">" | "<=" | ">=" { printf("Relop : %s\n", &text); }
```

```
%.%
```

```
int main()
```

```
{
```

```
    dylex();
```

```
    return 0;
```

```
}
```

* वक्ता () के Regular expression “,”